

1FW0

**CRF Errors Edited by the STIC Systems  
Branch**

Serial Number: 10/7/4,000

CRF Edit Date: 9/24/04  
Edited by: AS

**ENTERED**  
Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted:    invalid beginning/end-of-file text ;    page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/714,000

DATE: 09/24/2004

TIME: 15:06:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw

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4 <110> APPLICANT: Chisholm, Vanessa
5      Crowley, Craig W.
6      Krummen, Lynne A.
7      Meng, Yu-Ju G.
9 <120> TITLE OF INVENTION: EXPRESSION VECTORS AND METHODS
11 <130> FILE REFERENCE: P1746R1P1 US
13 <140> CURRENT APPLICATION NUMBER: US 10/714,000
14 <141> CURRENT FILING DATE: 2003-11-14
16 <150> PRIOR APPLICATION NUMBER: US 10/019,586
17 <151> PRIOR FILING DATE: 2001-12-20
19 <150> PRIOR APPLICATION NUMBER: PCT/US00/18841
20 <151> PRIOR FILING DATE: 2000-07-11
22 <150> PRIOR APPLICATION NUMBER: US 60/143,360
23 <151> PRIOR FILING DATE: 1999-07-12
25 <160> NUMBER OF SEQ ID NOS: 17
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 218
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: mouse-human chimera
35 <400> SEQUENCE: 1
36  Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
37      1          5          10          15
39  Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Pro Val Asp
40      20          25          30
42  Gly Glu Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly
43      35          40          45
45  Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser
46      50          55          60
48  Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
49      65          70          75
51  Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr
52      80          85          90
54  Tyr Cys Gln Gln Ser His Glu Asp Pro Tyr Thr Phe Gly Gln Gly
55      95          100         105
57  Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe
58      110         115         120
60  Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser
61      125         130         135
63  Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val
64      140         145         150
66  Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu

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## RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/714,000

TIME: 15:06:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw

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67          155          160          165
69 Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
70          170          175          180
72 Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
73          185          190          195
75 Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
76          200          205          210
78 Lys Ser Phe Asn Arg Gly Glu Cys
79          215
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 451
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: mouse-human chimera
89 <400> SEQUENCE: 2
90 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
91 1 5 10 15
93 Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr
94 20 25 30
96 Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly
97 35 40 45
99 Leu Glu Trp Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr
100 50 55 60
102 Asn Pro Ser Val Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser
103 65 70 75
105 Lys Asn Thr Phe Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
106 80 85 90
108 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
109 95 100 105
111 Trp His Phe Ala Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
112 110 115 120
114 Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser
115 125 130 135
117 Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val
118 140 145 150
120 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly
121 155 160 165
123 Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
124 170 175 180
126 Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
127 185 190 195
129 Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
130 200 205 210
132 Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
133 215 220 225
135 Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
136 230 235 240
138 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu

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## RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/714,000

TIME: 15:06:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw

139		245		250		255
141	Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val					
142		260		265		270
144	Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly					
145		275		280		285
147	Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr					
148		290		295		300
150	Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln					
151		305		310		315
153	Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys					
154		320		325		330
156	Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly					
157		335		340		345
159	Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu					
160		350		355		360
162	Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly					
163		365		370		375
165	Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln					
166		380		385		390
168	Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp					
169		395		400		405
171	Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg					
172		410		415		420
174	Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala					
175		425		430		435
177	Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly					
178		440		445		450

180 Lys

183 &lt;210&gt; SEQ ID NO: 3

184 &lt;211&gt; LENGTH: 22

185 &lt;212&gt; TYPE: DNA

186 &lt;213&gt; ORGANISM: Artificial Sequence

188 &lt;220&gt; FEATURE:

189 &lt;223&gt; OTHER INFORMATION: PCR primer and probe

191 &lt;400&gt; SEQUENCE: 3

192 gtggagaggg tgaaggtgat gc 22

194 &lt;210&gt; SEQ ID NO: 4

195 &lt;211&gt; LENGTH: 22

196 &lt;212&gt; TYPE: DNA

197 &lt;213&gt; ORGANISM: Artificial Sequence

199 &lt;220&gt; FEATURE:

200 &lt;223&gt; OTHER INFORMATION: PCR primer and probe

202 &lt;400&gt; SEQUENCE: 4

203 cgaaagggca gattgtgtgg ac 22

205 &lt;210&gt; SEQ ID NO: 5

206 &lt;211&gt; LENGTH: 27

207 &lt;212&gt; TYPE: DNA

208 &lt;213&gt; ORGANISM: Artificial Sequence

210 &lt;220&gt; FEATURE:

## RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/714,000

TIME: 15:06:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw

211 <223> OTHER INFORMATION: PCR primer and probe  
213 <400> SEQUENCE: 5  
214 taaccgctac cgggacagga aaatggt 27  
216 <210> SEQ ID NO: 6  
217 <211> LENGTH: 19  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: PCR primer and probe  
224 <400> SEQUENCE: 6  
225 agagtcaccg aggggagta 19  
227 <210> SEQ ID NO: 7  
228 <211> LENGTH: 20  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: PCR primer and probe  
235 <400> SEQUENCE: 7  
236 cgtaggtttg ggatgttttg 20  
238 <210> SEQ ID NO: 8  
239 <211> LENGTH: 25  
240 <212> TYPE: DNA  
241 <213> ORGANISM: Artificial Sequence  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: PCR primer and probe  
246 <400> SEQUENCE: 8  
247 acgggcaact ctctgtcaa acaat 25  
249 <210> SEQ ID NO: 9  
250 <211> LENGTH: 18  
251 <212> TYPE: DNA  
252 <213> ORGANISM: Artificial Sequence  
254 <220> FEATURE:  
255 <223> OTHER INFORMATION: PCR primer and probe  
257 <400> SEQUENCE: 9  
258 agccactggg acggaaca 18  
260 <210> SEQ ID NO: 10  
261 <211> LENGTH: 20  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: PCR primer and probe  
268 <400> SEQUENCE: 10  
269 accgggagaa gaacctgaca 20  
271 <210> SEQ ID NO: 11  
272 <211> LENGTH: 25  
273 <212> TYPE: DNA  
274 <213> ORGANISM: Artificial Sequence  
276 <220> FEATURE:  
277 <223> OTHER INFORMATION: PCR primer and probe

## RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/714,000

TIME: 15:06:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw

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279 <400> SEQUENCE: 11
280  ctgaccaggt gtctgcggtg gacag 25
282 <210> SEQ ID NO: 12
283 <211> LENGTH: 20
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: PCR primer and probe
290 <400> SEQUENCE: 12
291  tcgccttgct gctctacctc 20
293 <210> SEQ ID NO: 13
294 <211> LENGTH: 19
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR primer and probe
301 <400> SEQUENCE: 13
302  ggcacacagg atggcttga 19
304 <210> SEQ ID NO: 14
305 <211> LENGTH: 25
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: PCR primer and probe
312 <400> SEQUENCE: 14
313  ccaagtggtc ccaggctgca cccat 25
315 <210> SEQ ID NO: 15
316 <211> LENGTH: 6124
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Plasmid pSV.IPD.Heterologous Protein
323 <400> SEQUENCE: 15
324  ttcgagctcg cccgacattg attattgact agagtcgac gacagctgtg 50
326  gaatgtgtgt cagttagggt gtggaaagtc ccagggtcc ccagcaggca 100
328  gaagtatgca aagcatgcat ctcaattagt cagcaaccag gtgtggaaag 150
330  tcccagggt cccagcagg cagaagtatg caaagcatgc atctcaatta 200
332  gtcagcaacc atagtcctcg ccctaactcc gcccatcccg cccctaactc 250
334  cgcccagttc cgcccattct cgcccctatg gctgactaat tttttttatt 300
336  tatgcagagg cggaggccgc ctggcctct gagctattcc agaagtagtg 350
338  aggaggcttt tttggaggcc taggcttttg caaaaagcta gcttatccgg 400
340  cggggaacgg tgcattggaa cgcggattcc ccgtgccaag agtgacgtaa 450
342  gtaccgccta tagagcgact agtcaccat gaccgagtac aagcccacgg 500
344  tgcgcctcgc caccgcgcac gacgtccgc gggccgtac caccctcgcc 550
346  gccgcgttcg ccgactaccc cgccacgcgc cacaccgtag acccggaacc 600
348  ccacatcgag cgggtcaccc agctgcaaga actcttctc acgcgcgtcg 650
350  ggctcgacat cggcaagggt tgggtcgcg acgacggcgc cgcggtggcg 700
352  gtctggacca cgccggagag cgtcgaagcg ggggcggtgt tcgccgagat 750
354  cgccccgcgc atggccgagt tgagcggttc ccggtctggc gcgcagcaac 800

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/714,000

DATE: 09/24/2004

TIME: 15:06:09

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09242004\J714000.raw



IFWO

## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:33

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

W--> 1 Patin Docket Preview

7 <110> APPLICANT: Chisholm, Vanessa  
 8 Crowley, Craig W.  
 9 Krummen, Lynne A.  
 10 Meng, Yu-Ju G.  
 12 <120> TITLE OF INVENTION: EXPRESSION VECTORS AND METHODS  
 14 <130> FILE REFERENCE: P1746R1P1 US  
 16 <140> CURRENT APPLICATION NUMBER: US 10/714,000  
 17 <141> CURRENT FILING DATE: 2003-11-14  
 19 <150> PRIOR APPLICATION NUMBER: US 10/019,586  
 20 <151> PRIOR FILING DATE: 2001-12-20  
 22 <150> PRIOR APPLICATION NUMBER: PCT/US00/18841  
 23 <151> PRIOR FILING DATE: 2000-07-11  
 25 <150> PRIOR APPLICATION NUMBER: US 60/143,360  
 26 <151> PRIOR FILING DATE: 1999-07-12  
 28 <160> NUMBER OF SEQ ID NOS: 17  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 218  
 32 <212> TYPE: PRT  
 33 <213> ORGANISM: Artificial Sequence  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: mouse-human chimera  
 38 <400> SEQUENCE: 1  
 39 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val  
 40 1 5 10 15  
 42 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Pro Val Asp  
 43 20 25 30  
 45 Gly Glu Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly  
 46 35 40 45  
 48 Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser  
 49 50 55 60  
 51 Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
 52 65 70 75  
 54 Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr  
 55 80 85 90  
 57 Tyr Cys Gln Gln Ser His Glu Asp Pro Tyr Thr Phe Gly Gln Gly  
 58 95 100 105  
 60 Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe  
 61 110 115 120  
 63 Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser  
 64 125 130 135  
 66 Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val  
 67 140 145 150

Does Not Comply  
Corrected Diskette Needed



## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:33

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

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69  Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
70      155      160      165
72  Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
73      170      175      180
75  Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
76      185      190      195
78  Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
79      200      205      210
81  Lys Ser Phe Asn Arg Gly Glu Cys
82      215
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 451
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: mouse-human chimera
92 <400> SEQUENCE: 2
93  Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
94      1      5      10      15
96  Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr
97      20      25      30
99  Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly
100      35      40      45
102 Leu Glu Trp Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr
103      50      55      60
105 Asn Pro Ser Val Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser
106      65      70      75
108 Lys Asn Thr Phe Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
109      80      85      90
111 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
112      95      100      105
114 Trp His Phe Ala Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115      110      115      120
117 Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser
118      125      130      135
120 Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val
121      140      145      150
123 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly
124      155      160      165
126 Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
127      170      175      180
129 Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
130      185      190      195
132 Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
133      200      205      210
135 Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
136      215      220      225
138 Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
139      230      235      240

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## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:33

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

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141 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
142           245           250           255
144 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
145           260           265           270
147 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
148           275           280           285
150 Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr
151           290           295           300
153 Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
154           305           310           315
156 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
157           320           325           330
159 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
160           335           340           345
162 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
163           350           355           360
165 Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
166           365           370           375
168 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
169           380           385           390
171 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
172           395           400           405
174 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
175           410           415           420
177 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
178           425           430           435
180 Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
181           440           445           450
183 Lys
186 <210> SEQ ID NO: 3
187 <211> LENGTH: 22
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: PCR primer and probe
194 <400> SEQUENCE: 3
195 gtggagaggg tgaaggtgat gc 22
197 <210> SEQ ID NO: 4
198 <211> LENGTH: 22
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PCR primer and probe
205 <400> SEQUENCE: 4
206 cgaaagggca gattgtgtgg ac 22
208 <210> SEQ ID NO: 5
209 <211> LENGTH: 27
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:33

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

213 <220> FEATURE:  
214 <223> OTHER INFORMATION: PCR primer and probe  
216 <400> SEQUENCE: 5  
217 taaccgctac cgggacagga aaatggt 27  
219 <210> SEQ ID NO: 6  
220 <211> LENGTH: 19  
221 <212> TYPE: DNA  
222 <213> ORGANISM: Artificial Sequence  
224 <220> FEATURE:  
225 <223> OTHER INFORMATION: PCR primer and probe  
227 <400> SEQUENCE: 6  
228 agagtcaccg aggggagta 19  
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231 <211> LENGTH: 20  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial Sequence  
235 <220> FEATURE:  
236 <223> OTHER INFORMATION: PCR primer and probe  
238 <400> SEQUENCE: 7  
239 cgtaggtttg ggatgttttg 20  
241 <210> SEQ ID NO: 8  
242 <211> LENGTH: 25  
243 <212> TYPE: DNA  
244 <213> ORGANISM: Artificial Sequence  
246 <220> FEATURE:  
247 <223> OTHER INFORMATION: PCR primer and probe  
249 <400> SEQUENCE: 8  
250 acgggcaact ctctgtcaa acaat 25  
252 <210> SEQ ID NO: 9  
253 <211> LENGTH: 18  
254 <212> TYPE: DNA  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
258 <223> OTHER INFORMATION: PCR primer and probe  
260 <400> SEQUENCE: 9  
261 agccactggg acggaaca 18  
263 <210> SEQ ID NO: 10  
264 <211> LENGTH: 20  
265 <212> TYPE: DNA  
266 <213> ORGANISM: Artificial Sequence  
268 <220> FEATURE:  
269 <223> OTHER INFORMATION: PCR primer and probe  
271 <400> SEQUENCE: 10  
272 accgggagaa gaacctgaca 20  
274 <210> SEQ ID NO: 11  
275 <211> LENGTH: 25  
276 <212> TYPE: DNA  
277 <213> ORGANISM: Artificial Sequence  
279 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:33

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

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280 <223> OTHER INFORMATION: PCR primer and probe
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285 <210> SEQ ID NO: 12
286 <211> LENGTH: 20
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: PCR primer and probe
293 <400> SEQUENCE: 12
294   tcgccttgct gctctacctc 20
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 19
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: PCR primer and probe
304 <400> SEQUENCE: 13
305   ggcacacagg atggcttga 19
307 <210> SEQ ID NO: 14
308 <211> LENGTH: 25
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: PCR primer and probe
315 <400> SEQUENCE: 14
316   ccaagtggtc ccaggctgca cccat 25
318 <210> SEQ ID NO: 15
319 <211> LENGTH: 6124
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Plasmid pSV.IPD.Heterologous Protein
326 <400> SEQUENCE: 15
327   ttcgagctcg cccgacattg attattgact agagtcgacg gacagctgtg 50
329   gaatgtgtgt cagttagggt gtggaaagtc ccagggtccc ccagcaggca 100
331   gaagtatgca aagcatgcat ctcaattagt cagcaaccag gtgtggaaag 150
333   tccccaggct ccccgagcagg cagaagtatg caaagcatgc atctcaatta 200
335   gtcagcaacc atagtcccg cccctaactcc gcccatcccg cccctaactc 250
337   cgcccagttc cgcccattct cgcgcccatt gctgactaat tttttttatt 300
339   tatgcagagg ccgaggccgc ctgcggcctc gagctattcc agaagtagtg 350
341   aggaggcttt tttggaggcc taggcttttg caaaaagcta gcttatccgg 400
343   ccgggaacgg tgcattggaa cgcggattcc ccgtgccaa agtgacgtaa 450
345   gtaccgccta tagagcgact agtccaccat gaccgagtag aagcccacgg 500
347   tgcgcctcgc caccgcgcgc gacgtcccgc gggccgtacg caccctcgcc 550
349   gccgcgttcg ccgactaccc cgccacgcgc cacaccgtag acccggaaccg 600
351   ccacatcgag cgggtcaccg agctgcaaga actcttcctc acgcgcgtcg 650
353   ggctcgacat cggcaagggt tgggtcgcg acgacggcgc cgcggtggcg 700
355   gtctggacca cgccggagag cgctgaagcg ggggcggtgt tcgccgagat 750

```

**VERIFICATION SUMMARY**

DATE: 09/23/2004

PATENT APPLICATION: US/10/714,000

TIME: 12:34:34

Input Set : A:\P1746R1P1.txt

Output Set: N:\CRF4\09232004\J714000.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION: